

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2058	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Reclamation District No. 2058 Pescadero	M *	6.58						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.01		0.01	0.15%				
Encroachments		0.01	0.04	0.61%	0.43	0.02		
Animal Control	0.01		0.01	0.15%				
Erosion / Bank Caving	0.01		0.01	0.15%				
<i>Supplemental</i>								
DWR Erosion Survey	0.04		0.04	0.61%				
DWR UCIP Field Study					0.05	0.01		
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.07	0.01	0.11	1.67% *	0.48	0.03	0.00	0.00

Unit No. 01 Paradise Cut LB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD2058	M *	6.58						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.01		0.01	0.15%				
Encroachments		0.01	0.04	0.61%	0.43	0.02		
Animal Control	0.01		0.01	0.15%				
Erosion / Bank Caving	0.01		0.01	0.15%				
<i>Supplemental</i>								
DWR Erosion Survey	0.04		0.04	0.61%				
DWR UCIP Field Study					0.05	0.01		
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.07	0.01	0.11	1.67% *	0.48	0.03	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2018 Levee Inspection Results

Reclamation District No. 2058 Pescadero

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M *	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 2058 Pescadero

Waterway			Bank	Unit Miles
Unit No. 01 Paradise Cut			Left	6.58
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M *	
Date of Inspection	3/12/2018 - 3/12/2018		10/30/2018 - 10/30/2018	
DWR Inspector	Maksim Khashchuk		Richard Willoughby	
Accompanied By				

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2058_01_s_2013_6				
Comment Code					
Inspector Comment					
The LMA has current flood fight training.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2058_01_s_2013_7				
Comment Code					
Inspector Comment					
Flood fight supplies are available on-site at the office.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2058_01_s_2013_9				
Comment Code					
Inspector Comment					
The O&M Manual is available at the district office.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	22
LM End	6.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.801539 °	37.770924 °
				-121.420775 °	-121.327457 °
DWR ID	DWR_RD2058_01_f_2018_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
District used goats to control veg on landward slope.					

Photo 1 of 1 : FA_2018_RD2058_111_22_20181101_00057.jpg



Typical view of landward slope. (Fall 2018)

LM Start	0.00	Rating **	A	Issue No.	23
LM End	6.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.801539 °	37.770924 °
				-121.420775 °	-121.327457 °
DWR ID	DWR_RD2058_01_f_2018_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.23	Rating **	C	Issue No.	4
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.804351 °	37.804351 °
				-121.418433 °	-121.418433 °
DWR ID	DWR_RD2058_01_f_2013_4				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Typical view of landward slope from 0.00 to 5.50					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	0.55	Rating **	M	Issue No.	21
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.802369 °	37.802369 °
				-121.413902 °	-121.413902 °
DWR ID	DWR_RD2058_01_s_2017_21				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2058_111_21_20180906_00013.jpg



View of the tree that needs to be trimmed.

LM Start	0.72	Rating **	M	Issue No.	975	
LM End	0.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.801792 °	37.801792 °	
				-121.410921 °	-121.410921 °	
DWR ID	22700					
Comment Code						
Inspector Comment						
FS_ID:45843 DS_ID:22700 EP_NO: 5055 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Excessive oil leakage. FIELD_STRUCT_DESC: 16-inch steel drainage discharge pipe through the levee, 3.8 feet below the crown. Drainage ditch on the landside (LS). Pump on a concrete sump on the LS. Siphon breaker under protective cover on the waterside (WS) slope. (To abandon the existing 12-inch pipe with concrete and install a new 16-inch pipe authorized under Permit No. 5055, 1965 - Stanley Electric Motor Company). 12-inch pipe grouted in place. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 10, March 1964, (HLM 0.72)]. FS Date: 5/12/2015						

Photo 1 of 3 : UCIP_FA_2018_45843_45165.jpg



LS view: exposed pipe and vertical pump on concrete sump on drain ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	0.72	Rating **	M	Issue No.	975 (cont)	
LM End	0.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.801792 °		37.801792 °
				-121.410921 °		-121.410921 °
DWR ID	22700					
Comment Code						
Inspector Comment						
FS_ID:45843						
DS_ID:22700						
EP_NO: 5055						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Excessive oil leakage.						
FIELD_STRUCT_DESC: 16-inch steel drainage discharge pipe through the levee, 3.8 feet below the crown. Drainage ditch on the landside (LS). Pump on a concrete sump on the LS. Siphon breaker under protective cover on the waterside (WS) slope. (To abandon the existing 12-inch pipe with concrete and install a new 16-inch pipe authorized under Permit No. 5055, 1965 - Stanley Electric Motor Company). 12-inch pipe grouted in place. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 10, March 1964, (HLM 0.72)].						
FS Date: 5/12/2015						

LM Start	0.72	Rating **	M	Issue No.	975 (cont)
LM End	0.72	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_45843_74061.jpg



LS view: closeup of pump showing excessive oil leakage.

Photo 3 of 3 : UCIP_FA_2018_45843_74060.jpg



WS view: siphon breaker in protective casing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	0.72	Rating **	A/W	Issue No.	976	
LM End	0.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.801792 °	37.801792 °	
				-121.410921 °	-121.410921 °	
DWR ID	22704					
Comment Code						
Inspector Comment						
FS_ID:45143						
DS_ID:22704						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: *ABANDONED* 12-inch drainage discharge pipe of an unknown material through the levee, 18 feet below the crown. Pump on the landside (LS). Flap gate on the waterside (WS). (To abandon the existing 12-inch pipe with concrete and install a new 16-inch pipe authorized under Permit No. 5055, 1965 - Stanley Electric Motor Company). 12-inch pipe grouted in place. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 10, March 1964, (HLM 0.72)].						
FS Date: 5/12/2015						

Photo 1 of 1 : UCIP_FA_2018_45143_45168.jpg



LS view: an abandoned pipe found in concrete sump.

LM Start	1.21	Rating **	M	Issue No.	977
LM End	1.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802249 °	37.802249 °
				-121.402183 °	-121.402183 °
DWR ID	22693				
Comment Code					
Inspector Comment					
FS_ID:45847					
DS_ID:22693					
EP_NO: 10426					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Crossing needs to be marked.					
FIELD_STRUCT_DESC: 33-inch concrete encased steel sewer line through the levee, 17 feet below the crown. Manholes visible along Delta Avenue, but no other indicators visible at the levee. (Sewer line authorized under Permit No. 10426, 1975 - City of Tracy, care of CDM, Inc.). [Additional Reference(s): DWR Levee Log, 2005].					
FS Date: 5/12/2015					

Photo 1 of 1 : UCIP_FA_2018_45847_74322.jpg



View of LS. Alignment of Crossing to right of canal at dirt access road.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	1.22	Rating **	U	Issue No.	978
LM End	1.22	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.802301 °	37.802301 °	
			-121.401977 °	-121.401977 °	
DWR ID	22694				

Comment Code

Inspector Comment

FS_ID:53374
DS_ID:22694
EP_NO: 11546
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 10/12/2018 Same as last inspection; keeping as Urgent due to erosion into levee prism (D. Sanoski - DWR UCIP). 11/29/2016 Heavy erosion still present. Could be due to wave run-up as this is the only spot on levee not rock revetted. Greg Pombo (RD2058) indicated permits for endangered species prevent rock revetment. (K. Fazel - UCIP) 05/12/2015 Erosion on west side of pipe at W/S toe. (K. Fazel - UCIP)
FIELD_STRUCT_DESC: 1 of 2: 18-inch steel drainage discharge pipe through the levee, 2 feet below the crown. Pump in drainage ditch on the landside (LS). Siphon breaker with cover on the waterside (WS) shoulder. Electrical service pole at the LS toe. (18-inch pipe and pump authorized under Permit No. 11546, 1976 - Reclamation District No. 2058). [Additional Reference(s): DWR Levee Log, 2005].
FS Date: 10/12/2018 9:59:00 AM

LM Start	1.22	Rating **	U	Issue No.	978 (cont)
LM End	1.22	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_53374_45171.jpg



WS view: siphon breaker hole. Siphon breaker removed for repair.

Photo 2 of 3 : UCIP_FA_2018_53374_45170.jpg



LS view: pipe, pile structure, and pump platform in drain ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	1.22	Rating **	U	Issue No.	978 (cont)	
LM End	1.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.802301 °	37.802301 °	
				-121.401977 °	-121.401977 °	
DWR ID	22694					
Comment Code						
Inspector Comment						
FS_ID:53374 DS_ID:22694 EP_NO: 11546 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/12/2018 Same as last inspection; keeping as Urgent due to erosion into levee prism (D. Sanoski - DWR UCIP).11/29/2016 Heavy erosion still present. Could be due to wave run-up as this is the only spot on levee not rock revetted. Greg Pombo (RD2058) indicated permits for endangered species prevent rock revetment. (K. Fazel - UCIP)05/12/2015 Erosion on west side of pipe at W/S toe. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 1 of 2: 18-inch steel drainage discharge pipe through the levee, 2 feet below the crown. Pump in drainage ditch on the landside (LS). Siphon breaker with cover on the waterside (WS) shoulder. Electrical service pole at the LS toe. (18-inch pipe and pump authorized under Permit No. 11546, 1976 - Reclamation District No. 2058). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/12/2018 9:59:00 AM						

Photo 3 of 3 : UCIP_FA_2018_53374_74320.jpg



Siphon Breaker on WS shoulder.

LM Start	1.82	Rating **	U	Issue No.	11
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.804785 °	37.804802 °
				-121.391524 °	-121.391304 °
DWR ID	DWR_RD2058_01_f_2013_11				
Comment Code					
MA : Material					
Inspector Comment					
Pile of concrete contains rebar on landside slope obstructing visibility and access.					

Photo 1 of 1 : FA_2018_RD2058_111_11_20180906_00006.jpg



View of the concrete with rebar placed on the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	2.12	Rating **	A/W	Issue No.	979
LM End	2.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.803892 °	37.803892 °
				-121.386299 °	-121.386299 °
DWR ID	22705				
Comment Code					
Inspector Comment					
FS_ID:45865 DS_ID:22705 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 20-inch steel drainage discharge pipe through the levee, 8 feet below the crown. Pump on a concrete sump in a drainage ditch on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. [Additional Reference(s): USACE San Joaquin O&M Manual 10, March 1964, (HLM 2.14), 18-inch pipe referenced]. FS Date: 5/12/2015					

Photo 1 of 3 : UCIP_FA_2018_45865_74323.jpg



Siphon breaker on WS shoulder inside protective riser.

LM Start	2.12	Rating **	A/W	Issue No.	979 (cont)
LM End	2.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_45865_74324.jpg



Pipe just visible at WS toe at center of photograph.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	2.12	Rating **	A/W	Issue No.	979 (cont)	
LM End	2.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.803892 °	37.803892 °	
				-121.386299 °	-121.386299 °	
DWR ID	22705					
Comment Code						
Inspector Comment						
FS_ID:45865 DS_ID:22705 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 20-inch steel drainage discharge pipe through the levee, 8 feet below the crown. Pump on a concrete sump in a drainage ditch on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. [Additional Reference(s): USACE San Joaquin O&M Manual 10, March 1964, (HLM 2.14), 18-inch pipe referenced]. FS Date: 5/12/2015						

Photo 3 of 3 : UCIP_FA_2018_45865_74325.jpg



Pump on concrete pad at LS toe.

LM Start	2.12	Rating **	M	Issue No.	980	
LM End	2.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.803886 °		37.803886 °
				-121.386271 °		-121.386271 °
DWR ID	22706					
Comment Code						
Inspector Comment						
FS_ID:51699 DS_ID:22706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaky and damaged siphon breaker on waterside shoulder.. FIELD_STRUCT_DESC: 16-inch steel drainage discharge pipe through the levee, 8 feet below the crown. Pump on a concrete sump in a drainage ditch on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. [Additional Reference(s): USACE San Joaquin O&M Manual 10, March 1964, (HLM 2.14), 12-inch pipe referenced]. FS Date: 5/13/2015						

Photo 1 of 3 : UCIP_FA_2018_51699_45192.jpg



WS view: exposed steel pipe (right) on channel bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	2.12	Rating **	M	Issue No.	980 (cont)	
LM End	2.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.803886 °		37.803886 °
				-121.386271 °		-121.386271 °
DWR ID	22706					
Comment Code						
Inspector Comment						
FS_ID:51699 DS_ID:22706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaky and damaged siphon breaker on waterside shoulder.. FIELD_STRUCT_DESC: 16-inch steel drainage discharge pipe through the levee, 8 feet below the crown. Pump on a concrete sump in a drainage ditch on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. [Additional Reference(s): USACE San Joaquin O&M Manual 10, March 1964, (HLM 2.14), 12-inch pipe referenced]. FS Date: 5/13/2015						

LM Start	2.12	Rating **	M	Issue No.	980 (cont)
LM End	2.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_51699_45191.jpg



WS view: siphon breaker on concrete pad on levee slope.

Photo 3 of 3 : UCIP_FA_2018_51699_45190.jpg



WS view: Upper part of the siphon breaker missing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	2.24	Rating **	M	Issue No.	12
LM End	2.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.803375 °	37.803136 °
				-121.384196 °	-121.383078 °
DWR ID	DWR_RD2058_01_f_2013_12				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2058_111_12_20180906_00007.jpg



View of the ditch at the landside levee toe.

LM Start	2.39	Rating **	A/W	Issue No.	16
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.802782 °	37.802782 °
				-121.381413 °	-121.381413 °
DWR ID	DWR_RD2058_01_s_2012_16				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry growing on landside toe. The LMA maintains the shrub to allow visibility.					

No Photos

LM Start	2.61	Rating **	A/W	Issue No.	63
LM End	2.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.801962 °	37.801962 °
				-121.377684 °	-121.377684 °
DWR ID	DWR_RD2058_01_s_2012_63				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	2.63	Rating **	A/W	Issue No.	64
LM End	2.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.801876 °	37.801876 °
				-121.377291 °	-121.377291 °
DWR ID	DWR_RD2058_01_s _ 2012_64				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.64	Rating **	A/W	Issue No.	65
LM End	2.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.801823 °	37.801823 °
				-121.377068 °	-121.377068 °
DWR ID	DWR_RD2058_01_s _ 2012_65				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.72	Rating **	A/W	Issue No.	66
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.801497 °	37.801497 °
				-121.375586 °	-121.375586 °
DWR ID	DWR_RD2058_01_s _ 2012_66				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	3.53	Rating **	A/W	Issue No.	68
LM End	3.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.794396 °	37.794396 °
				-121.364944 °	-121.364944 °
DWR ID	DWR_RD2058_01_s_2012_68				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
The LMA maintains the shrub to allow visibility.					

No Photos

LM Start	3.72	Rating **	A/W	Issue No.	974
LM End	3.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.791856 °	37.791856 °
				-121.363514 °	-121.363514 °
DWR ID	DWR_RD2058_01_s_2012_974				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Flagged bushes obstructing visibility and access.					

No Photos

LM Start	3.80	Rating **	A/W	Issue No.	20
LM End	3.85	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.790807 °	37.790888 °
				-121.362905 °	-121.362460 °
DWR ID	DWR_RD2058_01_s_2012_20				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					
Revegetation site.					

Photo 1 of 1 : FA_2018_RD2058_111_20_20180906_00012.jpg



11/08/2011 Revegetation site, cannot trim or cut vegetation in this area.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	3.96	Rating **	A/W	Issue No.	26
LM End	3.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.789128°	37.789128°
				-121.361042°	-121.361042°
DWR ID	DWR_RD2058_01_s_2012_26				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry on landside hinge point.					

No Photos

LM Start	3.97	Rating **	A/W	Issue No.	69
LM End	3.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.789062°	37.789062°
				-121.360848°	-121.360848°
DWR ID	DWR_RD2058_01_s_2012_69				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	4.31	Rating **	A/W	Issue No.	71
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.789794 °	37.789794 °
				-121.354883 °	-121.354883 °
DWR ID	DWR_RD2058_01_s_2012_71				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	4.43	Rating **	M	Issue No.	1
LM End	4.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.789810 °	37.789653 °
				-121.352490 °	-121.351791 °
DWR ID	RD2058U01RM3.97				
Comment Code					
Inspector Comment					
10/10/2017: No significant change observed.					
07/20/2016: No significant change observed.					
08/04/2015: No significant change observed.					
08/26/2014: No significant change observed.					
08/28/2013: No significant change observed.					
07/26/2012: The site has been visited, and no significant change has been observed.					
09/02/2011: This site was not visited due to the time limit.					
09/22/2010: No significant change observed. Minor pocket erosions are lined at the lower bank. Two large Oak and Willow trees are on mid-slope and bench. The remaining bench was re-measured and found to be approximately 10 feet. There was no indication of active erosion on site during the site visit.					
08/05/2010: Recommended for annual assessment and monitoring of the site during flood events, per CLRO.					
07/23/2009: No major change observed since last visit; site is a 200-ft. long near-vertical berm erosion; recommend annual assessment and monitoring of the erosion site, per CLRO CES Evaluation 2008 Report; Site # is the same site previously reported as RM4.0,LM4.51; previously rated "U".					
09/10/2008: Two large trees (2-3' DBH) with partial roots exposed.					
2007: Visited site 03/13/2007. [2017 Site ID:RD2058U01RM3.97]					

LM Start	4.43	Rating **	M	Issue No.	1 (cont)
LM End	4.47	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA_2018_RD2058_111_1_20180906_00001.jpg



Direct view of the pocket erosion site.

Photo 2 of 4 : FA_2018_RD2058_111_1_20180906_00002.jpg



Direct view of the erosion near a tree.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	4.43	Rating **	M	Issue No.	1 (cont)	
LM End	4.47	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.789810 °	37.789653 °	
				-121.352490 °	-121.351791 °	
DWR ID	RD2058U01RM3.97					
Comment Code						
Inspector Comment						
10/10/2017: No significant change observed.						
07/20/2016: No significant change observed.						
08/04/2015: No significant change observed.						
08/26/2014: No significant change observed.						
08/28/2013: No significant change observed.						
07/26/2012: The site has been visited, and no significant change has been observed.						
09/02/2011: This site was not visited due to the time limit.						
09/22/2010: No significant change observed. Minor pocket erosions are lined at the lower bank. Two large Oak and Willow trees are on mid-slope and bench. The remaining bench was re-measured and found to be approximately 10 feet. There was no indication of active erosion on site during the site visit.						
08/05/2010: Recommended for annual assessment and monitoring of the site during flood events, per CLRO.						
07/23/2009: No major change observed since last visit; site is a 200-ft. long near-vertical berm erosion; recommend annual assessment and monitoring of the erosion site, per CLRO CES Evaluation 2008 Report; Site # is the same site previously reported as RM4.0,LM4.51; previously rated "U".						
09/10/2008: Two large trees (2-3' DBH) with partial roots exposed.						
2007: Visited site 03/13/2007. [2017 Site ID:RD2058U01RM3.97]						

Photo 3 of 4 : FA_2018_RD2058_111_1_20180906_00003.jpg



Close view of the erosion.

LM Start	4.43	Rating **	M	Issue No.	1 (cont)
LM End	4.47	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA_2018_RD2058_111_1_20180906_00004.jpg



Direct view of the erosion near a tree.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	4.63	Rating **	A/W	Issue No.	43 (cont)	
LM End		Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			37.787800 °		
				-121.350860 °		
DWR ID	DWR_RD2058_01_f_2017_43					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:82						
Site Designation:LMA-36						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/8/2017						
Notes: vegetation too dense to evaluate damage. Erosion on the waterside is greater than three feet tall into the levee prism as of Fall 2017 Inspection. Turned back over to Evaluators for re-assessment.						

Photo 3 of 3 : LEVAL_FA_2018_82_1355.jpg



LM Start	4.63	Rating **	A/W	Issue No.	40
LM End	4.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.787756 °	37.785971 °
				-121.350851 °	-121.350372 °
DWR ID	DWR_RD2058_01_f_2017_40				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion on the waterside is greater than three feet tall into the levee prism.					

Photo 1 of 5 : FA_2018_RD2058_111_40_20180906_00021.jpg



Downstream view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	4.63	Rating **	A/W	Issue No.	40 (cont)	
LM End	4.76	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.787756 °	37.785971 °	
				-121.350851 °	-121.350372 °	
DWR ID	DWR_RD2058_01_f_2017_40					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion on the waterside is greater than three feet tall into the levee prism.						

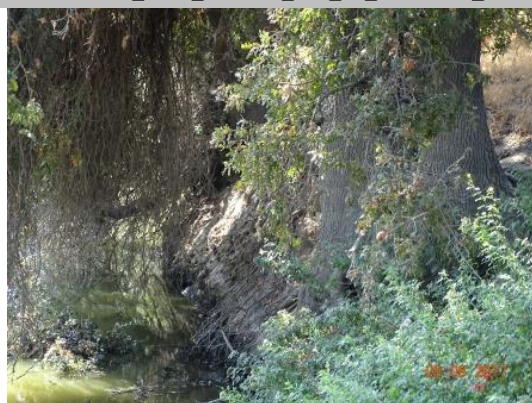
Photo 2 of 5 : FA_2018_RD2058_111_40_20180906_00022.jpg



Another downstream view of the erosion.

LM Start	4.63	Rating **	A/W	Issue No.	40 (cont)
LM End	4.76	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : FA_2018_RD2058_111_40_20180906_00023.jpg



Upstream view of the erosion site.

LM Start	4.63	Rating **	A/W	Issue No.	40 (cont)
LM End	4.76	Issue Type +	Ma	Location *	WS

Photo 4 of 5 : FA_2018_RD2058_111_40_20180906_00024.jpg



Another upstream view of the erosion site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	4.63	Rating **	A/W	Issue No.	40 (cont)	
LM End	4.76	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.787756 °		37.785971 °
				-121.350851 °		-121.350372 °
DWR ID	DWR_RD2058_01_f_2017_40					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion on the waterside is greater than three feet tall into the levee prism.						

Photo 5 of 5 : FA_2018_RD2058_111_40_20180906_00025.jpg



Erosion on the bank looking upstream.

LM Start	4.76	Rating **	A/W	Issue No.	15
LM End	4.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.785965 °	37.785045 °
				-121.350374 °	-121.349936 °
DWR ID	DWR_RD2058_01_f_2013_15				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
The erosion has about a 3 foot vertical cut at the waterside levee toe.					

Photo 1 of 3 : FA_2018_RD2058_111_15_20180906_00008.jpg



View of the erosion at the waterside levee toe.

LM Start	4.76	Rating **	A/W	Issue No.	15 (cont)
LM End	4.83	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2018_RD2058_111_15_20180906_00009.jpg



Upstream view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	4.76	Rating **	A/W	Issue No.	15 (cont)	
LM End	4.83	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.785965 °	37.785045 °	
				-121.350374 °	-121.349936 °	
DWR ID	DWR_RD2058_01_f_2013_15					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
The erosion has about a 3 foot vertical cut at the waterside levee toe.						

Photo 3 of 3 : FA_2018_RD2058_111_15_20180906_00010.jpg



Downstream view of the erosion site.

LM Start	4.77	Rating **	A/W	Issue No.	44
LM End		Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.785862 °	°
				-121.350303 °	°
DWR ID	DWR_RD2058_01_f_2017_44				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:100					
Site Designation:FSRP-14-25					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/8/2017					
Notes: vegetation too dense to evaluate damage. The erosion has about a 3 foot vertical cut at the waterside levee toe as of the Fall 2017 Inspection. Turned back over to Evaluators for re-assessment.					

Photo 1 of 3 : LEVAL_FA_2018_100_1357.jpg

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	4.77	Rating **	A/W	Issue No.	44 (cont)	
LM End		Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			37.785862 °		
				-121.350303 °		
DWR ID	DWR_RD2058_01_f_2017_44					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:100						
Site Designation:FSRP-14-25						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/8/2017						
Notes: vegetation too dense to evaluate damage. The erosion has about a 3 foot vertical cut at the waterside levee toe as of the Fall 2017 Inspection. Turned back over to Evaluators for re-assessment.						

Photo 2 of 3 : LEVAL_FA_2018_100_1359.jpg



Photo 3 of 3 : LEVAL_FA_2018_100_1361.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	5.10	Rating **	U	Issue No.	29
LM End	5.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.783102 °	37.783102 °
				-121.345682 °	-121.345682 °
DWR ID	DWR_RD2058_01_s_2012_29				
Comment Code					
RA : Ramp					
Inspector Comment					
New ramp construction connecting dairy to levee. Construction of ramp results in a new pond on the landside of the levee. 2/21/2012, owner has said that he will contact the CVFPB to resolve this issue.					

Photo 1 of 3 : FA_2018_RD2058_111_29_20180906_00015.jpg



11/08/2011 New ramp has been constructed by Dairy farmer connecting his barns to the levee.

LM Start	5.10	Rating **	U	Issue No.	29 (cont)
LM End	5.10	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA_2018_RD2058_111_29_20180906_00016.jpg



Completed new ramp constructed by Dairy farmer connecting his barns to the levee.

LM Start	5.10	Rating **	U	Issue No.	29 (cont)
LM End	5.10	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2018_RD2058_111_29_20180906_00017.jpg



11/08/2011 New ramp has been constructed by Dairy farmer connecting his barns to the levee.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	5.29	Rating **	U	Issue No.	30
LM End	5.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.782268 °	37.782268 °
				-121.342257 °	-121.342257 °
DWR ID	DWR_RD2058_01_s_2012_30				
Comment Code					
RA : Ramp					
Inspector Comment					
Ramp constructed to dairy. Raised ramps, see issue 29 are creating new holding ponds for dairy at levee toe.					

Photo 1 of 3 : FA_2018_RD2058_111_30_20180906_00018.jpg



11/08/2011 Photo shows existing middle ramp to the levee which has been raised.

LM Start	5.29	Rating **	U	Issue No.	30 (cont)
LM End	5.29	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA_2018_RD2058_111_30_20180906_00019.jpg



Completed new ramp constructed by Dairy farmer connecting his barns to the levee.

LM Start	5.29	Rating **	U	Issue No.	30 (cont)
LM End	5.29	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2018_RD2058_111_30_20180906_00020.jpg



11/08/2011 Photo shows view from the levee looking to the left of the middle ramp.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	5.63	Rating **	A/W	Issue No.	25
LM End	5.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.778515 °	37.778515 °
				-121.339136 °	-121.339136 °
DWR ID	DWR_RD2058_01_s_2016_25				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Monitor this area for rodent activity.					

No Photos

LM Start	5.71	Rating **	M	Issue No.	33
LM End	5.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.777735°	37.777735°
				-121.338103°	-121.338103°
DWR ID	DWR_RD2058_01_s_2017_33				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
The approximate 10 foot berm is eroding towards the levee slope.					

No Photos

LM Start	5.95	Rating **	M	Issue No.	19
LM End	6.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.775176 °	37.771929 °
				-121.335450 °	-121.330124 °
DWR ID	DWR_RD2058_01_f_2016_19				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2058_111_19_20180906_00011.jpg



View of the ditch at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	5.97	Rating **	A/W	Issue No.	28
LM End	5.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.774886 °	37.774886 °
				-121.335122 °	-121.335122 °
DWR ID	DWR_RD2058_01_s_2016_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2058_111_28_20180906_00014.jpg



View of the rodent holes on the levee slope.

LM Start	6.23	Rating **	M	Issue No.	42
LM End	6.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.772613 °	37.772613 °
				-121.331467 °	-121.331467 °
DWR ID	DWR_RD2058_01_f_2017_42				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Bait stations installed.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	6.46	Rating **	M	Issue No.	981	
LM End	6.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.770158 °		37.770158 °
				-121.329430 °		-121.329430 °
DWR ID	22701					
Comment Code						
Inspector Comment						
FS_ID:45871						
DS_ID:22701						
EP_NO: 13262						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Owner needs to install signs at crossing.						
FIELD_STRUCT_DESC: 1 of 3: 4-inch concrete encased polyvinyl chloride (PVC) electrical conduit through the levee, 3 feet below the crown. Signs on both banks of the levee. Manholes on both sides of Manthey Road. Pipes visible under Manthey Road bridge. (To install three 4-inch concrete encased PVC electrical conduits through the levee authorized under Permit No. 13262, 1981 - Pacific Telephone and Telegraph Company [PT&T]).						
FS Date: 5/13/2015						

LM Start	6.46	Rating **	M	Issue No.	981 (cont)
LM End	6.46	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_45871_73100.jpg



Pipes visible under Manthey Rd Bridge at Paradise Cut.

Photo 2 of 3 : UCIP_FA_2018_45871_73101.jpg



Pipes visible under Manthey Rd Bridge at Paradise Cut.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	6.46	Rating **	M	Issue No.	981 (cont)	
LM End	6.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.770158 °	37.770158 °	
				-121.329430 °	-121.329430 °	
DWR ID	22701					
Comment Code						
Inspector Comment						
FS_ID:45871						
DS_ID:22701						
EP_NO: 13262						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Owner needs to install signs at crossing.						
FIELD_STRUCT_DESC: 1 of 3: 4-inch concrete encased polyvinyl chloride (PVC) electrical conduit through the levee, 3 feet below the crown. Signs on both banks of the levee. Manholes on both sides of Manthey Road. Pipes visible under Manthey Road bridge. (To install three 4-inch concrete encased PVC electrical conduits through the levee authorized under Permit No. 13262, 1981 - Pacific Telephone and Telegraph Company [PT&T]).						
FS Date: 5/13/2015						

Photo 3 of 3 : UCIP_FA_2018_45871_74132.jpg



Comm sign and Pac Bell manhole appr. 600 ft from LS toe.

LM Start	6.46	Rating **	M	Issue No.	982
LM End	6.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.770159 °	37.770159 °
				-121.329426 °	-121.329426 °
DWR ID	25077				
Comment Code					
Inspector Comment					
FS_ID:45768					
DS_ID:25077					
EP_NO: 13262					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Owner needs to install signs at crossing.					
FIELD_STRUCT_DESC: 2 of 3: 4-inch concrete encased polyvinyl chloride (PVC) electrical conduit through the levee, 3 feet below the crown. Signs on both banks of the levee. Manholes on both sides of Manthey Road. Pipes visible under Manthey Road bridge. (To install three 4-inch concrete encased PVC electrical conduits through the levee authorized under Permit No. 13262, 1981 - Pacific Telephone and Telegraph Company [PT&T]).					
FS Date: 5/13/2015					

Photo 1 of 3 : UCIP_FA_2018_45768_74267.jpg



Pipes visible under Manthey Rd Bridge at Paradise Cut

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	6.46	Rating **	M	Issue No.	982 (cont)	
LM End	6.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.770159 °		37.770159 °
				-121.329426 °		-121.329426 °
DWR ID	25077					
Comment Code						
Inspector Comment						
FS_ID:45768						
DS_ID:25077						
EP_NO: 13262						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Owner needs to install signs at crossing.						
FIELD_STRUCT_DESC: 2 of 3: 4-inch concrete encased polyvinyl chloride (PVC) electrical conduit through the levee, 3 feet below the crown. Signs on both banks of the levee. Manholes on both sides of Manthey Road. Pipes visible under Manthey Road bridge. (To install three 4-inch concrete encased PVC electrical conduits through the levee authorized under Permit No. 13262, 1981 - Pacific Telephone and Telegraph Company [PT&T]).						
FS Date: 5/13/2015						

Photo 2 of 3 : UCIP_FA_2018_45768_74268.jpg



Cuts in pavement visible appr. 450 ft from WS toe.

LM Start	6.46	Rating **	M	Issue No.	982 (cont)
LM End	6.46	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_45768_74269.jpg



Comm sign and Pac Bell manhole appr. 600 ft from LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	6.46	Rating **	M	Issue No.	983	
LM End	6.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.770158 °		37.770158 °
				-121.329430 °		-121.329430 °
DWR ID	25078					
Comment Code						
Inspector Comment						
FS_ID:45769						
DS_ID:25078						
EP_NO: 13262						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Owner needs to install sign at crossing.						
FIELD_STRUCT_DESC: 3 of 3: 4-inch concrete encased polyvinyl chloride (PVC) electrical conduit through the levee, 3 feet below the crown. Signs on both banks of the levee. Manholes on both sides of Manthey Road. Pipes visible under Manthey Road bridge. (To install three 4-inch concrete encased PVC electrical conduits through the levee authorized under Permit No. 13262, 1981 - Pacific Telephone and Telegraph Company [PT&T]).						
FS Date: 5/13/2015						

Photo 1 of 3 : UCIP_FA_2018_45769_74270.jpg



Cuts in pavement visible appr. 450 ft from WS toe.

LM Start	6.46	Rating **	M	Issue No.	983 (cont)
LM End	6.46	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_45769_74271.jpg



Comm sign and Pac Bell manhole appr. 600 ft from LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2058 Pescadero

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.58	10/30/2018 10/30/2018	Richard Willoughby

LM Start	6.46	Rating **	M	Issue No.	983 (cont)	
LM End	6.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.770158 °		37.770158 °
				-121.329430 °		-121.329430 °
DWR ID	25078					
Comment Code						
Inspector Comment						
FS_ID:45769						
DS_ID:25078						
EP_NO: 13262						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Owner needs to install sign at crossing.						
FIELD_STRUCT_DESC: 3 of 3: 4-inch concrete encased polyvinyl chloride (PVC) electrical conduit through the levee, 3 feet below the crown. Signs on both banks of the levee. Manholes on both sides of Manthey Road. Pipes visible under Manthey Road bridge. (To install three 4-inch concrete encased PVC electrical conduits through the levee authorized under Permit No. 13262, 1981 - Pacific Telephone and Telegraph Company [PT&T]).						
FS Date: 5/13/2015						

Photo 3 of 3 : UCIP_FA_2018_45769_74272.jpg



Pipes visible under Manthey Rd Bridge at Paradise Cut.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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